

Identification of Spoken Words by Methods of
Dynamic Programming, by T. K. Vintsyuk.
RUSSIAN, per, Kibernetika, No 1, 1968, pp 81-88.
FTD-8-251

FTD Special 166-68

Jan 69

374,213

Completeness of a System of Operations in Electron
Computers, by V. M. Glushkov.
RUSSIAN, per, Kibernetika, No 2, 1968, pp 1-5.
~~FTD-S-519~~

77D Serial 342-68

Jan 69

374,337

System for Automating the Programming Process
for Analog Machines, by A. Kh. Bereslavskiy.
RUSSIAN, per, Kibometika, No 2, 1968, pp 36-44.
FTD HT Special 34-70

mar 70

404,363

Relationship Between Being Trained and Self-Training
in Recognition of Images, by F. I. Shlezinger.
RUSSIAN, por, Kibernetika, No 2, 1968, pp 81-88.
PTD-S-313

FTD Special 23-69

Jan 69

374,333

Two-Stage Optimum Recognition Systems, by
A. A. Telksnis. 7 pp.
RUSSIAN, per, Kibernetika, No 2, 1968, pp 89-92
~~FD-3-757~~

377-69 *77D Special 377-69*

july 69

387,500

Synthesizing an Automation from a Set of
Microprograms, by A. N. Chebotarev.
RUSSIAN, per, Kibernetika, no 3, 1968, pp 1-8.
FTD HT Special 600-69

feb 70

401,008

REQ TR CHECK

12-6-2

BR70-1204

Formal synthesis of an automaton from a micro-
program

Mishchenko, A.T.

Russ per: Kibernetika, no 3, 1968, 24-31

In process as

HT Special 243-70

*Negative
24 June 70*

Joint Majority Decomposition, by V. I. Varshavskiy.
RUSSIAN, per, Kibernetika, No 3, 1968, pp 93-95.
FTD IT Special 236-70

Sci-Misc
Jul 70

Science and Engineering Seminar on "Design of Radio
Electron Equipment Using Computer Technology,
by V. N. Lopatov.

RUSSIAN, per, Kibernetika, No 3, May-Jun 1968,
p 102.

FTD HT Special 190-70

Sci-Elec
Jul 70

Electronic Computer Technology in Poland, by
F. Brodski.
RUSSIAN, per, Kibernetika, No 3, May-Jun 1968,
p 103.
FTD Special HT-175-70

Sci-Elec
Jul 70

Syntax and Semantics of Formal Languages, by
A.A. Lotichovskiy.
RUSSIAN, per, Kibernetika, No 4, 1968, pp 1-9.
FTD-IT Special 71-21

RUSSIAN

*1 hr Special
Complete*CSO: 01312/71 W
22 Dec 70 SF

Concerning Complex Decision Problems, by
E. I. Vilkas, and Ye. Z. Mayminad,

Kiev, Kibernetika, No 5, 1968, pp 68-73. *15 ff*

Special type B - do not publish - translators
draft plus one

ASAP

Ass. dby

Assembly-Line Principle of Information Processing
by A. G. Kukharduk, et al.
RUSSIAN, per, Kibernetika, No 6, 1968, pp 43-49
FTD IT Special 42-70

mar 70

404,399

Arithmetic Operations over numbers of arbitrary length and arbitrary range II, by A. A. Dorodnicyna.

RUSSIAN, per, Kibernetika, No 1, 1969, pp 41-49

FTD HT Special 325-70

sci

nov 70

Representations in Multi-Valued Logics, by
D. A. Pospelov, Yu. L. Ivaskiv.
RUSSIAN, per, Kibernetika, No 2, 1969, pp
35-47.
FTD HT Special 316-70

nov 70

On the Solution of Finite Equations on Hybrid
Computer Systems, by G. Ye. Pukhov.
RUSSIAN, per, Kibernetika, No 2, 1969, pp 48-53.
FTD HT Special 379-70

Sci-Elec
Dec 70

A Majority Operation in a Multi-Valued Logic,
by V. I. Varshavsky.
RUSSIAN, per, Kibernetika, 1969, No 2, pp 64-
67.
FTD HT Special 317-70

nov 70

Singularities of the Problem of Optimizing the
Characterization of Air-Commie Space Vehicles
according to the Cost-Efficiency Index, by
A. I. Yegorov.
RUSSIAN, per, Kibernetika, No 2, Mar-Apr 1969,
pp 84-89.
FTD HT Special 376-70

Sci-Space Tech
Dec 70

On the Account Taken of a Lag of a Quasi-Analog
Hybrid Computing System Digital Automation When
Solving Ordinary Differential Equations, by
Yu. G. Pukhov.
RUSSIAN, per, Kibernetika, No 3, 1969, pp 34-36.
FTD HT Special 377-70

Sci-Math
Dec 70

The Language REFAL And Its Use for Transforming
Algebraic Expressions, by V. Ph. Turchin,
V. I. Serdobolsky.
RUSSIAN, per, Kibernetika, No 3, 1969, pp 58-62.
FID HT Special 248-70

Sci-Elec
Sep 70

The Analysis of a Time-Sharing System with
Homogeneous Users, by G. T. Arltmanov,
Yu. A. Mikhayev.
RUSSIAN, per, Kibernetika, No 3, 1969, pp 94-97.
FTD HT Special 378-70

Sci-Elec
Dec 70

On the Uniqueness of the Solution in $(n-1)$ -Games,
by O. N. Bondareva, 10 pp.
RUSSIAN, per, Kibernetika, No 4, 1969.
ARM/FSTC/CW-01-01-72

Oct 71

Coding of Abstract Automata by Normal Codes II,
by Ye. A. Vartapetov.
RUSSIAN, per, Kibernetika, No 4, 1969, pp 21-28.
FTD HT Special 247-70

Sci-Elec
Sep 70

Automatized Information-Retrieval Systems: Their
Purpose, Characteristics and Basic Requirements
to Them, by A. A. Stogniy, N. G. Zaitsev.
RUSSIAN, per, Kibernetika, 1969, No 4, pp 124-128.
FTD HT Special 249-70

Sci-Elec
Sep 70

On Synthesis of Cryotronic Circuits, by
A. P. Kochur, G. A. Mikhailov.
RUSSIAN, per, Kibernetika, No 4, 1969, pp 141-142.
FTD HT Special 246-70

Sci-Elec
Sep 70

Kibernetika, Vol 5, No 5, Sept-Oct 1969, pp 1-147.

Full tr by Consultants Bureau, pp 531-701.

Available by Serials

FTD-HT-Special 315-70, pp 72-77

Jan 73

Kibernetika, Vol 5, No 6, Nov-Dec 1969, pp 1-147.

Full tr by Consultants Bureau, pp 705-729.

Available Ly Serials

Jan 73

Kibernetika, Vol 6, No 1, Jan-Feb 1970, pp 1-12.

Full tr by Consultants Bureau, pp 1-7.

Available Ly Serials

Jan 73

RUSSIAN

CDO: 0788/71 W
14 Oct 70 SF

Comp Specimen

Information Robot-Manipulators, by M. B. Ignat'yev,
A. I. V. Safonov.

Kiev, Kibernetika, No 3, 1970, p 142.

Special type B - do not publish - translator's draft
plus one copy.

Forecasting in Scientific Research and Development,
by H. Ye. Arzhangel'skiy, D. I. Golovko,
3 pp.

RUSSIAN, par, Kibernetika, Kiev, No 4, 1970.

pp 124-127.

JPRS 51999

Scl-Cybernetics
Dec 70

Certain Methods of Development of Digital Cyber-
netics Systems, by A. P. Vishnovskiy, 19 pp.
RUSSIAN, per. Kibernetika. Sov., no 1, 1971,
pp 68-78.
JPRS 53669

July 71

Hermistic Models of Social Systems, by
N. M. Amosov, 13 pp.
RUSSIAN, per. Kibernetika. Moscow, No 3, 1971,
pp 18-24.
JPRS 53252

June 71

Existence of a Value for a Differential Game
With Prescribed Duration, by D. A. Shchekhet, 10 pp.
RUSSIAN, per. Kibernetika, Jisv, no 2, 1971,
pp 119-124.
JPRS 53973

Sept 71

An Information Model of the Therapeutic Process,
by A. A. Popov, V. M. Yanenko, 15 pp.
RUSSIAN, per, Kibernetika, Kiev, No 6, 1971,
pp 122-129.
JPRS 55439

Mar 72

Synthesis of Some Algorithms of Optimal Behavior
by Training Techniques, by A. B. Glaz,
L. A. Mastrigin, 17 pp.
RUSSIAN, per, Kibernetika i Diagnostika,
Riga, No 2, 1968, pp 63-80.
JPRS 51111

Sci-Cybernetics
Aug 70

Simulation of Some Recognition Algorithms,
by A. N. Borisov, 9 pp.
RUSSIAN, per, Kibernetika i Diagnostika,
Riga, No 2, 1968, pp 81-90.
JPRS 51111

Sci-Cybernetics
Aug 70

Selecting Perceptron Prototypes, by A. N. Borisov,
V. Ye. Golender, 13 pp.
RUSSIAN, per, Kibernetika i Diagnostika,
Riga, No 2, 1968, pp 91-102.
JPRS 51111

Sci-Cybernetics
Aug 70

Information-Cost Evaluation of the Tactics of
Statement of a Diagnosis, by A. Z. Al'terman.
L. A. Rastrigin, 16 pp.
RUSSIAN, par. Kibernetika i Diagnostika, Riga,
No 3, 1969, pp 171-185.
JPRS 53389

July 71

Cybernetics in Medicine, by L. A. Vodolazskiy,
10 pp.
RUSSIAN, bk, Kibernetika v Meditsine,
Moscow, 1969, pp 29-39.
JPRS 49546

Sci-Cybernetics
Jan 70

399.343

Collection, Indication, Registration, and
Analysis of Physiological Information Obtained
from Patients, by L. A. Vodolazskiy, 14 pp.
RUSSIAN, bk, Kibernetika v Meditsine,
Moscow, 1969, pp 40-55.
JPRS 49546

Sci-Cybernetics
Jan 70

399,344

Automatic Diagnostics of Diseases and
Conditions of Patients, by L. A. Vodolazskiy,
14 pp.
RUSSIAN, bk, Kibernetika v Meditsine,
Moscow, 1969, pp 56-70,
JPRS 49546

Sci-Cybernetics
Jan 70

399,345

Biocontrol, by L. A. Vodolazskiy, 8 pp.
RUSSIAN, bk, Kibernetika v Meditsine,
Moscow, 1969, pp 71-79.
JPRS 49546

Sci-Cybernetics
Jan 70

399,346

Cybernetics Expected and Cybernetics Unexpected, by
A. I. Berg, E. Kol'man, 186 pp.
RUSSIAN, bk, Kibernetika Ozhidayemaya i Kibernetika
Neozhidannaya, Moscow, 1968.
ARM/FSTC/HT-23-747-70

Aug 71

Computer-Developed Computers, by S. Lebedev,
9 pp.
RUSSIAN, bk, Kibernetika Ozhidayemaya 1
Kibernetika Neoshidayemaya, Moscow, 1968,
pp 183-192.
JPRS 49210

Sci-Cybernetics
Nov 69

396,200

Heuristics and Modern Sciences,, by V. Pushkin,
16 pp.
RUSSIAN, bk, Kibernetika Ozhidayemaya i
Kibernetika Neozhdayemaya, Moscow, 1968,
pp 192-209.
JPRS 49210

Sci-Cybernetics
Nov 69

396,201

Cybernetics and Moral-Ethical Considerations,
by V. Pokolis, 14 pp.
RUSSIAN, bk, Kibernetika Oshidayemaya 1
Kibernetika Neoshidayemaya, Moscow, 1968,
pp 212-225.
JPRS 49210

Sci-Cybernetics
Nov 69

396,202

Men and Machines at the Chessboard, by
M. Botvinnik, 8 pp.
RUSSIAN, bk. Kibernetika Ozhidayemaya 1
Kibernetika Neozhdayemaya, Moscow, 8 pp.
1968, pp 226-233.
JPRS 49210

Sci-Cybernetics
Nov 69

396,203

Cybernetics in Agriculture, by A. F. Chudnov-
skiy, et al.
RUSSIAN, bk, Kibernetika v Sel'skom Khozyaistve,
1965, 152 pp.
NLL R 39784

Sci-Agric
Jul 66

307,538

Chapter XI. Cybernetics and Some Problems of
Medicine, by G. I. Sidorenko, 18 pp.
RUSSIAN, bk. Kibernetika i Zdravotie, Moscow, 1970.
JPRS 54218

Oct 71

Chapter X. The Possibilities and Prospects of
the Method of Bioccontrolled Therapy, by
G. I. Sidoranko, 10 pp.
RUSSIAN, bk. Libernetika i Teoriya, Moscow,
1970.
JPRS 54218

Oct 71

Cybernetics and Transportation. Cybernetics in Planning, Design and Control of Railroad Transportation (Selected Articles). 41 pp. RUSSIAN, book, Kibernetika i Transport; Kibernetika v Proektirovanii i Upravlenii na Zheleznodorozhnom Transporte, 1968, pp 101-117. AIR/FTD/MT-24-241-70

Sept 71

Cybernetics and Mental Labor, by V. M.
Glushkov, 41 pp.
RUSSIAN, rpt, Kibernetika i umstvennyy trud,
1965, pp. 3-46.
JPRS 32702

USSR
Sci-B/M
Nov 65

291,189

Optimum Planning of Sequences of Operations Per-
formed by One or Two Machines, by N. M. Lobanov-
skiy, 11 PP.
RUSSIAN, per, Kibernetika i Upravleniye, 1967,
PP. 85-93.
JPRS 41494

USSR
Sci-Math
July 67

329,924

Certain Problems in Construction of Models
for Objects of Control, by F. A. Ovsepyan, 6 pp.
RUSSIAN, per, Kibernetika i Upravleniye, 1967,
pp. 93-97.
JPRS 41494

USSR
Sci-Math
July 67

329,925

The Metering Properties of Trees, by A. K. Kel'-
mans, 14 pp.
RUSSIAN, per, Kibernetika i Upravleniye, 1967,
pp. 98-107.
JPRS 41494

USSR
Sci-Math
July 67

329,926

A Method of Controlling a Complex Industrial
Object, by K. V. Tomingas, 5 pp.
RUSSIAN, per, Kibernetika i Upravleniye, 1967,
pp. 107-111.
JPRS 41494

USSR
Sci-Math
July 67

329,927

Optimum Control of Systems of Independent Objects,
by V. N. Burkov, 5 pp.
RUSSIAN, per, Kibernetika i Upravleniye, 1967,
pp. 112-115.
JPRS 41494

USSR
Sci-Math
July 67

329,928

The Construction of the Shortest Connecting Network, by A. K. Kal'mans, 18 pp.
RUSSIAN, per, Kibernetika i Upravleniye, 1967,
pp. 115-130.

JPRS 41494

USSR
Sci-Math
July 67

329,929

Cybernetics and Military Applications (Selected Portions)
by V. A. Bokarev, 158 pp.
RUSSIAN, bk, Kibernetika i Voennoye Delo, Izd-vo
Ministerstva Oborony SSSR, Moscow, 1969, pp 136-211 and
224-286.

~~AIR-FTD-24-315-70~~

AIR-FTD-MT-24-315-70

Sept 71

Some Problems in Neurobionics, by
S. Ya. Zaslavskiy, K. A. Ivancv-Muromskiy, 13 pp.
RUSSIAN, per, Kibernetika i Vychislitel'naya
Tekhnika, Kiev, No 7, 1970, pp 6-13.
JPRS 55937

May 72

Heuristic Models in Sociology, by
N. M. Amonov, D. N. Galenko, 12 pp.
RUSSIAN, per, Kibernetika i Vychislitel'naya
Tekhnika, Kiev, No 7, 1970, pp 16-24.
JPRS 55937

May 72

Problem of Modeling Perception of Distance From
Visible Brightness of Landmarks,
by Ya. Ya. Balik, 6 pp.
RUSSIAN, per, Kibernetika i Vychislitel'naya
Tekhnika, Kiev, No 7, 1970, pp 24-28.
JPRS 55937

May 72

Experiments in Classification and Formation of
Concepts, by V. P. Gladun, Ye. P. Popuriy, 6 pp.
RUSSIAN, por. Kibernetika i Vychislitel'naya
Tekhnika, Kiev, No 7, 1970, pp 28-32.
JPRS 55937

May 72

Investigating the Language and Intellect of
Dolphins, by I. M. Kroyn, 7 pp.
RUSSIAN, per, Kibernetika i Vychislitel'naya
Tekhnika, Kiev, No7, 1970, pp 37-41.
JPRS 55937

May 72

Structure and Modeling of Robots, by
V. Yu. Moytus, 13 pp.
RUSSIAN, per, Kibernetika i Vychislitel'naya
Tekhnika, Kiev, No 7, 1970, pp 41-50.
JPRS 55937

May 72

A Method for Controlling the Human Operator, by
A. S. Osenniy, V. D. Romanov, 5 pp.
RUSSIAN, per. Kibernetika i Vychislitel'naya
Tekhnika, Kiev, No 7, 1970, pp 50-53.
JPRS 55937

May 72

A Determination of a Sufficient Statistics in
the Problem of the Recognition of Images Subjected
to Admissible Transformations, by

L. Svyatogor. 14 pp.

RUSSIAN, rpt, Kibernetika i Vychislitel'naya
Tekhnika Raspoznavaniye Obrazov, 1969, pp 26-35.

AIR/FTD/HC-23-740-71

Dec 71

From the Editor, by A. I. Borg, 6 pp.
RUSSIAN, per, Kibernetika na Sluzhbu Kommunizmu,
Vol 4, 1967, pp 5-9.
JPRS 45,606

Sci/HEM
Jul 68

361,246

Control Processes in the Organism of Man Under
Burn Shock, by Ye. V. Gubler, A. A. Pervozvanskiy,
17 pp.
RUSSIAN, per. Kibernetiku na Sluzhbu Kommunizma,
Vol 4, 1967, pp 217-228.
JPRS 45,606

Sci/B&M
Jul 68

361,247

Defining the Concepts of Health and Disease in
Connection with Solving Automatic Diagnostic
Problems, by V. S. Genes, 10 pp.
RUSSIAN, per, Kibernetika na Sluzhbu Kormunizmu,
Vol 4, 1967, pp 229-236.
JPRS 45,606

Sci/GEN
Jul 68

361,248

Qualitative Evaluations of Recognition Systems
Based on the Method of Comparison with Respect
to a Set of Attributes as a Whole, by V. S. Genes,
12 pp.

RUSSIAN, per, Kibernetika na Sluzhbu Kommunizmu,
Vol 4, 1967, pp 237-244.
JPRS 45,606

Sci/B&M
Jul 68

361,249

Cybernetic Techniques in Medicine, by
N. M. Amosov, 14 pp.
RUSSIAN, per, Kibernetiku na Sluzhbu Kommunizmu,
Vol 4, 1967, pp 245-254.
JPRS 45,606

Sci/B&M
Jul 68

361,250

Some Problems in the Simulation of Complex
Systems, by N. M. Amosov, 17 pp.
RUSSIAN, per, Kibernetika na Sluzhbu Kommunizmu,
Vol 4, 1967, pp 255-267.
JPRS 45,606

Sci/B&M
Jul 68

361,251

Principles of Construction of Diagnostic Systems
with the Help of Mathematical Machines, by
M. I. Bykhovskiy, A. A. Vishnevskiy, 19 pp.
RUSSIAN, par. Kibernetika na Sluzhbu Kommunistu,
Vol 4, 1967, pp 268-281.
JPRS 45,606

Sci/B&M
Jul 68

361,252

Regulation of the Ascending Flow of Information
by the Corticofugal Feedback System, by
R. M. Meshcherskiy, 12 pp.
RUSSIAN, per, Kibernetiky na Sluzhbu Kommunizmu,
Vol 4, 1967, pp 282-290.
JPRS 45,606

Sci/DEM
Jul 68

361,253

Cybernetics in the service of Communism,
by A. I. Berg.

RUSSIAN, bk, Kibernetiku na Sluzhbu
Kommunizmu, 1967, Vol 5.

*ACSI J-6348

*FSTC-HT-23-145-69

Sci-B&M

Mar 69

Information Transmission Theory, by Dobrushin, R.L.
Garmash, V. A. ; 31 pp.
RUSSIAN, per, Kibernetiku - Na Sluzhbu Kommunizmu,
Vol 5, 1967, pp 70-86.
AIR/PTD/MT-25-321-69

sci/Electronics
apr 70

405,984

Bionics, by S. N. Braynes, M. G. Gaaze-Rapoport,
25 pp.
RUSSIAN, per, Kibernetiku na sluzhbu Kommunizmu,
Moscow, Vol 5, 1967, pp 197-213.
JPRS 47,360

Sci-Cybernetics
Feb 69

373,953

Biological and Medical Cybernetics, by
P.K. Anokhin, et al., 52 pp.
RUSSIAN, per, Kibernetika na Sluzhbu Komman-
undizma, Moscow, 1967, Vol. 5, pp. 214-251.
JPRS 45,476

Sci-Electronics and
Electrical Engineering
May 68

358,063

Cybernetics and Law, by O.A. Gavrilov,
et al., 18 pp.
RUSSIAN, per, Kibernetika na Sluzhbu
Kommunizmu, No. 5, Moscow, 1967,
pp. 406-419. 419
JPRS 44,787

USSR
Sociol.
March 68

352,928

The Theory of Optimal Coding of Information,
by R. L. Dobrushin, 42 pp.
RUSSIAN, bk, Kibernetika -- Na Sluzhbu Kommunizmu.
Teoriya Informatsii, Vychislitel'naya Tekhnika,
Serdotika, Vol 3, pp. 13-45.
JPRS 4633

USSR
Sci-Misc
Jul 67

332,318

Conditions of Invariance in a Decoding Procedure,
by L. F. Borodin, 26 pp.
RUSSIAN, bk, Kibernetika -- Na Sluzhbu Kommunizmu,
Teoriya Informatsii, Vychislitel'naya Tekhnika,
Semiotika. Vol 3, pp. 46-65.
JPRS 44633

USSR
Sci-Misc
Jul 67

332,319

One Class of Codes With Correction of Independent Errors and Independent Groups of Errors Capable of Simple Realization, by Ye. T. Mironchikov and V. D. Kolesnik, 10 pp.

RUSSIAN, bk. Kibernetiku -- Na Sluzhbu Kommunistam.
Teoriya Informatsii, Vychislitel'naya Tekhnika,
Semiotika, Vol 3, pp. 66-73.

JPRS 43633

USSR
Sci-Misc
Jul 67

332.320

The Average Length of a Code With Minimal
Redundancy, by S. S. Kinalitsyn. 10 pp.
RUSSIAN, bk, Kibernetika -- Na Sluzhbu Kommunizmu.
Teoriya Informatsii, Vychislitel'naya Tekhnika.
Sovietika, Vol 3, pp. 74-80.
JPRS 41633

USSR
Sci-Misc
Jul 67

332,321

The Synthesis of Logic Circuits Transforming
Information To a Hamming Code, by A. D.
Zadrovakiy, 7 pp.
RUSSIAN, bk. Kibernetiku -- Na Sluzhbu Kommunizmu,
Teoriya Informatsii, Vychislitel'naya Tekhnika,
Semiotika, Vol 3. pp. 81-86.
JPRS 43633

USSR
Sci-Misc
Jul 67

332,322

The Relation Between the Theory of Correcting
Codes and Problems of Self-Teaching and Reliability,
by A. N. Radchenko, 36 pp.

RUSSIAN, bk, Kibernetiku -- Na Sluzhbu Kommunizmu,
Teoriya Informatsii, Vychisletel'naya Tekhnika,
Semiotika. Vol 3. PP. 87-114.

JPRS 41633

USSR
Sci-Misc
Jul 67

332 323

The Information Limit of Redundancy Necessary
for Correction of Errors, by S. I. Samoylenko,
12 pp.

RUSSIAN, bk, Kibernetiku -- Na Sluzhbu Kommunistam.
Teoriya Informatsii, Vychislitel'naya Tekhnika,
Samotika, Vol 3, pp. 115-123.
JPRS 41633

USSR
Sci-Misc
Jul 67

332,324